

News Release

Senior Jennifer DuBay Runner-Up in Poster Contest at The Minnesota Chapter of The Wildlife Society Annual Meeting

By Itollefts on Monday, February 17, 2014Jenny DuBay, a senior majoring in natural resources from Apple Valley, Minn., was named

runner-up for her research poster at the annual meeting of The Minnesota Chapter of The Wildlife Society. DuBay, whose research involved the testing of selected plants for their ability to accumulate phosphorous from surface waters into the plant tissue, presented her poster at the conference held in Bemidji, Minn., February 4-6, 2014. The research project was part of ongoing research by Assistant Professor Katy (Smith) Nannenga. Overall, DuBay's research project showed that hybrid cattails accumulated the most phosphorus out of the plants tested. Approximately 3.75 grams per shoot and interestingly, almost 12 grams if you incorporate the roots. Results from this study could inform water managers as to how to remove phosphorus from surface waters.

DuBay was pleased with her poster's placement. "My poster was recognized at a wildlife conference even though it was not directly related to wildlife and that is unusual," DuBay says. "I was in a tie for second place but I won the tie. It was an honor to be recognized for my project and the work."

Background



Contamination of surface and ground water is a serious environmental concern. Nannenga whose research interests include the use of plants to clean the environment known as phytoremediation, led the development of the environmental sciences program at the U of M Crookston and her work includes research on soil management practices to improve both soil quality and productivity. Funding for DuBay's project came from the University of Minnesota Undergraduate Research Opportunities Program and the Northwest Minnesota Regional Sustainable Development Partnership.

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In the photos, top right, Jenny DuBay at work in the lab; middle, left, DuBay with her poster at The Wildlife Society Annual Meeting; and bottom, right, close up of DuBay's poster on phytoremediation.



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